

CENTRAL INTELLIGENCE AGENCY INFORMATION REPORT

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COUNTRY	Poland	REPORT	
SUBJECT	Supply and Consumption of Ferro-Alloys in the Foundry Industry	DATE DISTR.	6 December 1954
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PLACE ACQUIRED		REFERENCES	25X1

This is UNEVALUATED

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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2. The tables are as follows:

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Table I	Ferro-Silicon (75% Si)	
" II	Ferro-Silicon (45% Si)	
" III	Ferro-Molybdenum	
" IV	Ferro-Titanium (25% Ti)	
" V	Ferro-Chrome (of more than 1% C)	) figures
" VI	" " (up to 0.07% C)	) for 1951
" VII	" " (from 0.08% to 0.15% C)	) and 1952
" VIII	" " (from 0.16% to 1% C)	) only
" IX	" " (up to 0.1% and from 0.1% to 1% C)	(1953 only)
" X	Silicon-Lime (Ca-Si)	
" XI	Ferro-Manganese (up to 0.35% Phosphorus)	
" XII	Ferro-Manganese (more than 0.35% Phosphorus)	
" XIII	Silicon-Manganese	
" XIV	Ferro-Phosphorus	
" XV	Ferro-Tungsten	
" XVI	Ferro-Vanadium (50% V)	

3. Apart from nickel and cobalt, these are the only ferro-alloys used in Poland.

4. The following abbreviations are used in the tables:

M.H. = Ministry of Foundries
M.P.M. = Ministry of Machine Industry
CZPSS = Central Administration of the Refined Steel Industry
CZPH = Central Administration of the Foundry Industry.

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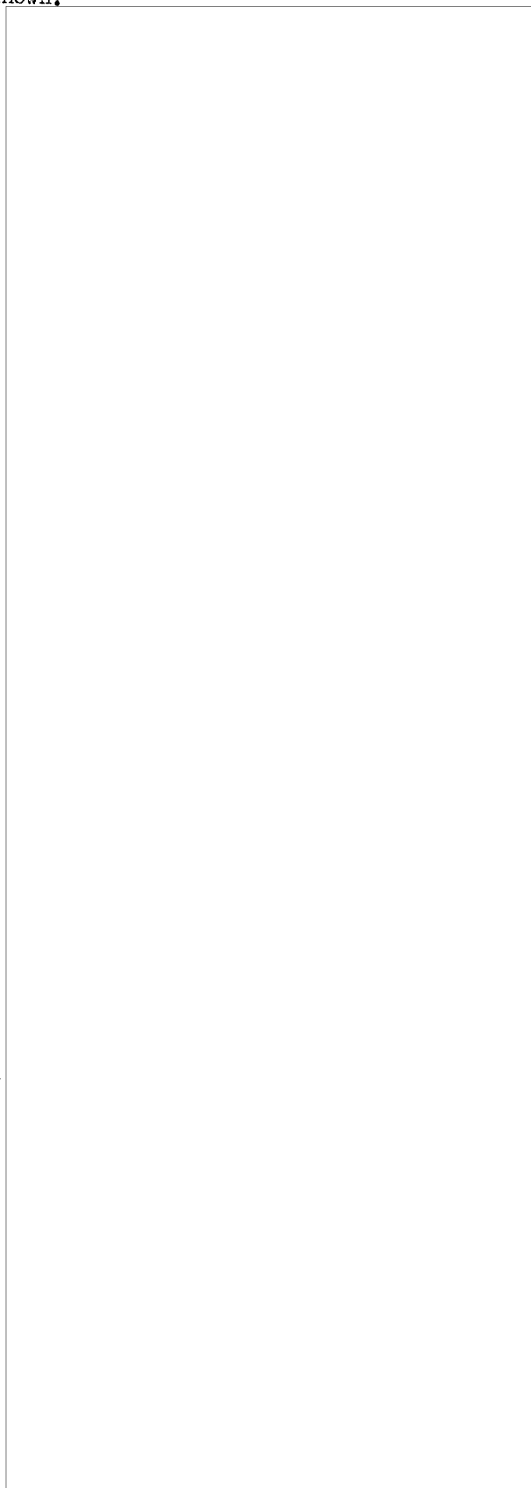
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5. Tables XV and XVI: The "reserves for special production" listed are reserves earmarked for military purposes. They are known as Production "S". There are also special reserve stocks which never appear in official lists, but no details of these are known.



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TABLE I

Ferro-Silicon (Fe-Si 75% Si)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Planned</u>	<u>Consumption (in tons)</u>	<u>Actual</u>		<u>Planned</u>
	1951	1952	1953		1951	1952	1953
Home production	9,568.4	10,940	18,430	CZPSS	3,225.1	3,145	4,100
Import	-	785		CZPH	5,000.3	6,570	7,700
Reserve stocks	-	312		Stalowa Wola Foundry	710	720	1,100
				Stalin Mechanical Works	288	710	735
				Mala Panew Foundry	145.7	285	390
				Miscellaneous	66.4	607	1,505
				Loan repaid to East Germany	-	-	700
				To increase reserves	132.9	-	2,200
Total	9,568.4	12,037	18,430		9,568.4	12,037	18,430
State of reserve stocks on 31 December of each year (in tons)	902	590	2,790				

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TABLE II

Ferro-Silicon (45% Si)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Planned</u>	<u>Consumption (in tons)</u>	<u>Actual</u>		<u>Planned</u>
	<u>1951</u>	<u>1952</u>			<u>1951</u>	<u>1952</u>	
Home production	-	575	540	CZPSS	24.4	70	-
Imports	-	215	-	CZPH	74.1	350	-
From reserves	138.5	-	175	M.H.	98.5	420	
				Stalowa Wola	-	15	20
				Miscellaneous	40	269	395
				M.P.M.	40	284	415
				Loan repaid to East Germany	-	-	300
				To increase reserves	-	86	-
	<u>138.5</u>	<u>790</u>	<u>715</u>		<u>138.5</u>	<u>790</u>	<u>715</u>
State of Reserve Stocks at 31 December of each year (in tons)	139	225	50				

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TABLE III

Ferro-Molybdenum (Fe-Mo)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Planned</u>	<u>Consumption (in tons)</u>	<u>Actual</u>		<u>Planned</u>
	1951	1952	1953		1951	1952	1953
Import	152	177	508	CZPSS	86.7	127	158
From reserves	79	58	-	CZPH	31.3	6	-
				M.H.	118	133	158
				Stalowa Wola	35	65	88
				Stalin Works	4	15	30
				Mala Panew	11	12	50
				Miscellaneous	24	10	22
				M.P.M.	74	102	190
				PKPQ reserves	39	-	-
				To increase reserves	-	-	160
	231	235	508		231	235	508
State of Reserve Stocks on 31 December of each year (in tons)	73	15	175				

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TABLE IV

Ferro-Titanium (25% Ti)

Supply (in tons)	Actual		Planned 1953	Consumption (in tons)	Actual		Planned 1953
	1951	1952			1951	1952	
Import	33	335	216	CZPSS (M.H.)	76.3	89	85.3
From reserves	102.4	-	-	Stalowa Wola	41	33	95.3
				Mala Panew	1	-	34.1
				Miscellaneous	0.5	6	1.3
				M.P.M.	42.5	39	130.7
				PKPG reserves	16.6	101	-
				To increase reserves	-	106	-
	135.4	335	216		135.4	335	216
State of Reserve Stocks on 31 December of each year (in tons)	4	110	110				

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TABLE V

Ferro-Chrome (of more than 1% carbon)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Planned</u>	<u>Consumption (in tons)</u>	<u>Actual</u>		<u>Planned</u>
	1951	1952	1953		1951	1952	1953
Home production	229.5	2,225	-	CZPSS	295	509	197
From reserve stocks	476.8	-	532	CZPH	20.1	16	11
				M.H.	315.1	525	208
				Stalowa Wola	157	125	8
				Mala Panew	4.2	-	-
				Miscellaneous	-	706.9	276
				M.P.M.	161.2	831.9	284
				Export	-	37.1	40
				To increase reserves		831	
	476.3	2,225	532		476.3	2,225	532
State of Reserve Stocks on 31 December of each year (in tons)	269	1,110	568				

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TABLE VI

Ferro-Chrome (up to 0.07% carbon)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Consumption (in tons)</u>	<u>Actual</u>	
	1951	1952		1951	1952
Home production	-	560	CZPSS (M.H.)	426	205
Imports	196.6	104	Stalowa Wola	-	-
From reserves	491.-	-	Mala Panew	25	25
			M.P.M.	261.6	25
			To increase reserves	-	434
	687.6	664		687.6	664
State of Reserve					
Stocks on					
31 December					
of each year	31	465			

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TABLE VII

Ferro-Chrome (from 0.08% - 0.15% carbon)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Consumption (in tons)</u>	<u>Actual</u>	
	1951	1952		1951	1952
Home production	929.2	905	CZPSS	367.4	548
Imports	-	454	CZPH	-	2
			M.H.	367.4	550
			Stalowa Wola	196	505
			Mala Parnu	32.7	220
			M.P.M.	228.7	725
			To increase reserves	333.1	84
	929.2	1,359		929.2	1,359
State of Reserve Stocks on 31 December of each year	371	455			

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TABLE VIII

Ferro-Chrome (from 1.16% - 1% carbon)

Supply (in tons)	Actual		Consumption (in tons)	Actual	
	1951	1952		1951	1952
Home production	1,183.7	1,400	CZPSS	355.9	280
From reserves	-	381	CZPH	3.1	20
			M.H.	359	300
			Stalowa Wola	183	480
			Stalin Works	2.5	50
			Mala Panew	55.8	100
			Miscellaneous	1.5	837.3
			M.P.M.	242.8	1,467.3
			To reserves	581.9	13.7
	<u>1,183.7</u>	<u>1,781</u>		<u>1,183.7</u>	<u>1,781.-</u>
State of Reserve Stocks as at 31 December of each year (in tons)	441	73.7			

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TABLE IX

Ferro-Chrome (up to 0.1% and from 0.1% - 1% carbon)

Supply (in tons)	Plan for 1953		Consumption (in tons)	Plan for 1953	
	Up to 0.1%	0.1% - 1%		Up to 0.1%	0.1% - 1%
Home production	900	3,460	CZPSS	562	1,350
Imports	411	1,036	CZPH	-	60
From reserves	300	-	M.H.	562	1,410
			Stalowa Wola	430	1,150
			Stalin Works	-	90
			Mala Panew	615	460
			Miscellaneous	4	1,010
			M.P.M.	1,049	2,710
			Exports	-	246
			To increase reserves		130
	1,611	4,496		1,611	4,496
State of Reserve Stocks at 31 December 1953 (in tons)	400	410			

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TABLE X

Silicon-Lime (Ca - Si)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Planned</u>		<u>Actual</u>		<u>Planned</u>
	1951	1952			1951	1952	
Home production	62.2	153	180	<u>Consumption (in tons)</u>			
From reserves	44.5	30	7	CZPSS	9.6	33	22
				CZPH	88.6	90	90
				M.H.	98.2	123	112
				Stalowa Wola	8	39	45
				Mala Panew	0.5	2	5
				Miscellaneous	-	19	25
				M.P.M.	8.5	60	75
	106.7	183	187		106.7	183	187
State of Reserve							
Stocks at							
31 December							
of each year							
(in tons)	65	35	28				

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TABLE XI

Ferro-Manganese (up to 0.35% phosphorus)

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Planned</u>	<u>Consumption (in tons)</u>	<u>Actual</u>		<u>Planned</u>
	1951	1952	1953		1951	1952	1953
Home production	439	370	1,350	CZPSS	537.7	767	764
Imports	-	370	-	CZPM	16.6	-	-
From reserves	222	130	-	M.H.	554.3	767	764
				Stalowa Wola	11	25	30
				Stalin Works	17	18	25
				Mala Panew	78.7	53	60
				Miscellaneous	-	7	10
				M.P.M.	106.7	103	125
				To increase reserves	-	-	461
	661	870	1,350		661	870	1,350
State of Reserve Stocks at 31 December of each year (in tons)	360	230	691				

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TABLE XII

Ferro-Manganese (more than 0.35% phosphorus)

Supply (in tons)	Actual		Planned 1953	Consumption		Actual		Planned 1953
	1951	1952				1951	1952	
Home production	229.8	930	-	CZPSS	116	72	80	
From reserves	-	-	505	CZPH	-	3	5	
				M.H.		116	75	85
				Mala Panew	-	75	100	
				Miscellaneous	14	310	320	
				M.P.M.		14	385	420
				To increase reserves		99.8	470	-
	229.8	930	505			229.8	930	505
State of Reserve Stocks at 31 December of each year (in tons)	80	550	45					

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TABLE XIII

Silicon-Manganese (Si - MN)

Supply (in tons)	Actual		Planned 1953	Consumption (in tons)	Actual		Planned 1953
	1951	1952			1951	1952	
Home production	2,239.4	1,780	3,500	CZPSS	832.7	1,512	1,715
From reserves		1,240		CZPH	379.6	843	973
				M.H.	1,212.3	2,355	2,688
				Stalowa Wola	39	110	120
				Stalin Works	-	20	25
				Mala Panew	62.2	25	30
				Miscellaneous	-	510	520
				M.P.M.	101.2	665	695
				To increase reserves	925.9	-	117
	2,239.4	3,020	3,500		2,239.4	3,020	3,500
State of Reserve Stocks at 31 December of each year (in tons)	2,240	1,000	1,117				

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TABLE XIV

Ferro-Phosphorus

Supply (in tons)	Actual		Planned 1953	Consumption (in tons)	Actual		Planned 1953
	1951	1952			1951	1952	
Home production	-	336	-	CZPSS	29.4	60	90
Imports	-	-	236	CZPH	15.-	29	41
From reserves	66.2	125	20	M.H.	44.4	109	131
				Mala Panew	-	1	5
				Miscellaneous	21.8	101	120
				M.P.M.	21.8	102	125
				Export	-	250	-
	66.2	461	256		66.2	461	256
State of Reserve Stocks at 31 December of each year (in tons)	190	65	45				

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TABLE XV

Ferro-Tungsten

<u>Supply (in tons)</u>	<u>Actual</u>		<u>Planned</u>	<u>Consumption (in tons)</u>	<u>Actual</u>		<u>Planned</u>
	1951	1952	1953		1951	1952	1953
Home production	260.8	370	900	CZPSS (M.H.)	388	425	619
Imports	669.3	-	-	Stalowa Wola	130.6	150	183
From reserves	59.4	230	75	Mala Panew	2.5	25	172
				Miscellaneous	-	-	1
				M.H.	133.1	175	356
				Reserves for special production	468.4	-	-
	989.5	600	975		989.5	600	975
State of Reserve Stocks at 31 December of each year (in tons)	810	580	505				

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TABLE XVI**Ferro-Vanadium (50% V)**

Supply (in tons)	<u>Actual</u>		<u>Planned</u>	Consumption (in tons)	<u>Actual</u>		<u>Planned</u>
	1951	1952	1953		1951	1952	1953
Imports	185.2	86	500	CZPSS	95	125	290
From reserves	24.3	82	-	CZPH	-	3	-
				M.H.	95	128	290
				Stalowa Wola	24	32	58
				Stalin Works	-	4	-
				Mala Panew	1	4	42
				M.P.M.	25	40	100
				Reserve for special production	89.5	-	-
				To increase reserves	-	-	110
	<u>209.5</u>	<u>168</u>	<u>500</u>		<u>209.5</u>	<u>168</u>	<u>500</u>
State of Reserve Stocks at 31 December of each year (in tons)	172	90	200				

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